

Serial No. 09/937,193

Art Unit: 1711

AMENDMENTS TO THE CLAIMS

Please amend claims 19, 25, 28 and 31. Please cancel claims 27 and 29.

Claims 1-18 (canceled)

19. (currently amended) A filler-containing foam which is the product of the process which comprises reacting (I) a polyfunctional isocyanate and (II) a mixture comprised of a carboxylic acid, a hydroxycarboxylic acid or a combination thereof; a filler mixture comprised of an inorganic, high temperature resistant filler[,] selected from the group consisting of calcium carbonate, calcium sulfate, clay, aluminum oxide, aluminum silicate and magnesium oxide; a micropore-forming, high temperature resistant filler[,] selected from the group consisting of expanded perlite and vermiculite, expanded clay, hollow beads of aluminum silicate, glass and/or fly-ash, cellular concrete, expanded waterglass and combinations thereof; and a heat-activatable swelling agent selected from the group consisting of native vermiculite and native perlite, expanded graphite, sodium or potassium waterglass and combinations thereof.

20. (previously presented) The foam of claim 19 wherein component (II) is further comprised of an alcohol, a monofunctional primary amine, a monofunctional secondary amine, a polyfunctional primary amine, a polyfunctional secondary amine, an adduct of a carboxylic acid and an alcohol, an adduct of a carboxylic acid and a monofunctional primary amine, a monofunctional secondary amine, a polyfunctional primary amine, a polyfunctional secondary amine.

21. (previously presented) The foam of claim 19 wherein component (I), (II) or (I) and (II) is further comprised of a catalyst, a foam stabilizer, a liquid flame retardant, a silicon dioxide or a combination thereof.

Serial No. 09/937,193

Art Unit: 1711

22. (previously presented) The foam of claim 19 wherein component (I) is further comprised of water.
23. (previously presented) The foam of claim 19 wherein the filler mixture is further comprised of an adhesive, a grinding aid, an anticaking agent, and combinations thereof.
24. (previously presented) The foam of claim 19 wherein the polyfunctional isocyanate is selected from the group consisting of an aliphatic aromatic polyfunctional isocyanate, cycloaliphatic aromatic polyfunctional isocyanate, an aromatic polyfunctional isocyanate and an oligomerized NCO-containing product produced therefrom.
25. (currently amended) The foam of claim 19 wherein [the] polyhydroxy-polycarboxylic acids are used as the carboxylic acids.
26. (previously presented) The foam of claim 20 wherein the alcohol is a polyester polyol, a polyether polyol or a combination thereof.
27. (canceled)
28. (currently amended) The foam of claim 19 wherein the inorganic, high temperature resistant filler [having] has a mean particle size of 1 to 20 μm .
29. (canceled)
30. (previously presented) The foam of claim 19 wherein the filler is a mixture of solids comprising from about 20 to about 90% by weight of inorganic, high temperature resistant filler; from about 1 to about 30% by weight of a heat-activatable swelling agent; from about 0.1 to about 35% by weight of an adhesive; from about 2 to about

Serial No. 09/937,193**Art Unit: 1711**

40% by weight of a micropore-forming, high temperature resistant filler and from about 0.01 to about 10% by weight of a grinding aid and/or an anticaking agent wherein the sum of the weights of all components is equal to 100%.

31. (currently amended) A process for the production of filler-containing foams comprising mixing (I) a polyfunctional isocyanate and (II) a mixture comprised of a carboxylic acid, a hydroxycarboxylic acid or a combination thereof; a filler mixture comprised of an inorganic, high temperature resistant filler[.] selected from the group consisting of calcium carbonate, calcium sulfate, clay, aluminum oxide, aluminum silicate and magnesium oxide; a micropore-forming, high temperature resistant filler[.] selected from the group consisting of expanded perlite and vermiculite, expanded clay, hollow beads of aluminum silicate, glass and/or fly-ash, cellular concrete, expanded waterglass and combinations thereof; and a heat-activatable swelling agent selected from the group consisting of native vermiculite and native perlite, expanded graphite, sodium or potassium waterglass and combinations thereof.

32. (previously presented) The process of claim 31 wherein the volume ratio of components (I) and (II) is from about 1:2 to about 2:1.

33. (previously presented) The process of claim 31 wherein the volume ratio is 1:1.

34. (previously presented) The process of claim 31 wherein the process is carried out at a temperature of from about 0 to about 40°C.